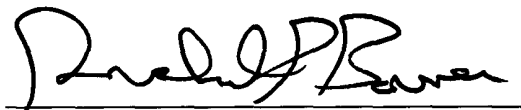


REMARKS

Claim 1-41 are pending in this application. Claims 1, 11, 22 and 32 are independent. Claims 5-10, 15-21, 26-31 and 36-41 have been amended to correct their multiple dependency form.

Applicants' undersigned attorney may be reached in our Washington, D.C. office by telephone at (202) 625-3500. All correspondence should continue to be directed to our address given below.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Richard Bauer", is written over a horizontal line.

Attorney for Applicants

Richard Bauer

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PATENT ADMINISTRATOR
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MARKED-UP CLAIMS

5. (Amended) The optical sensor defined in any one of [claims 1-3] claim 1, wherein the radiation collector comprises a distal surface having a generally concave shape and further comprises a reflective surface to reflect the incident radiation along the pathway.

6. (Amended) The optical sensor defined in any one of [claims 1-3] claim 1, wherein the radiation collector comprises a distal surface having a generally convex shape which refracts and reflects the incident radiation along the pathway.

7. (Amended) The optical sensor defined in any one of [claims 1-6] claim 1, wherein the radiation collector is directly mounted to the sensor element.

8. (Amended) The optical sensor defined in any one of [claims 1-6] claim 1, wherein the radiation collector is remote from the radiation sensor.

9. (Amended) The optical sensor defined in any one of [claims 1-8] claim 1, wherein the radiation collector has a polygonal cross-section.

10. (Amended) The optical sensor defined in any one of [claims 1-8] claim 1, wherein the radiation collector has a generally circular cross-section.

15. (Amended) The radiation source module defined in any one of [claims 11-14] claim 11, wherein the at least one radiation source is disposed within a protective sleeve.

16. (Amended) The radiation source module defined in any one of [claims 11-15] claim 11, wherein the radiation collector comprises a distal surface having a generally concave shape and further comprises a reflective surface to reflect the incident radiation along the pathway.

17. (Amended) The radiation source module defined in any one of [claims 11-15] claim 11, wherein the radiation collector comprises a distal surface having a generally convex

shape which refracts and reflects the incident radiation along the pathway.

18. (Amended) The radiation source module defined in any one of [claims 11-17] claim 11, wherein the radiation collector is directly mounted to the sensor element.

19. (Amended) The radiation source module defined in any one of [claims 11-17] claim 11, wherein the radiation collector is remote from the radiation sensor.

20. (Amended) The radiation source module defined in any one of [claims 11-19] claim 11, wherein the radiation collector has a polygonal cross-section.

21. (Amended) The radiation source module defined in any one of [claims 11-19] claim 11, wherein the radiation collector has a generally circular cross-section.

26. (Amended) The radiation source assembly defined in any one of [claims 22-25] claim 22, wherein the radiation collector comprises a distal surface having a generally concave

shape and further comprises a reflective surface to reflect the incident radiation along the pathway.

27. (Amended) The radiation source assembly defined in any one of [claims 22-25] claim 22, wherein the radiation collector comprises a distal surface having a generally convex shape which refracts and reflects the incident radiation along the pathway.

28. (Amended) The radiation source assembly defined in any one of [claims 22-27] claim 22, where the radiation collector is directly mounted to the sensor element.

29. (Amended) The radiation source assembly defined in any one of [claims 22-27] claim 22, wherein the radiation collector is remote from the radiation sensor.

30. (Amended) The radiation source assembly defined in any one of [claims 22-29] claim 22, wherein the radiation collector has a polygonal cross-section.

31. (Amended) The radiation source assembly defined in any one of [claims 22-29] claim 22, wherein the radiation collector has a generally circular cross-section.

36. (Amended) The fluid treatment system defined in any one of [claims 32-35] claim 32, wherein the radiation collector comprises a distal surface having a generally concave shape and further comprises a reflective surface to reflect the incident radiation along the pathway.

37. (Amended) The fluid treatment system defined in any one of [claims 32-35] claim 32, wherein the radiation collector comprises a distal surface having a generally convex shape which refracts and reflects the incident radiation along the pathway.

38. (Amended) The fluid treatment system defined in any one of [claims 32-37] claim 32, wherein the radiation collector is directly mounted to the sensor element.

39. (Amended) The fluid treatment system defined in any one of [claims 32-37] claim 32, wherein the radiation collector is remote from the radiation sensor.

40. (Amended) The fluid treatment system defined in any one of [claims 32-39] claim 32, wherein the radiation collector has a polygonal cross-section.

41. (Amended) The fluid treatment system defined in any one of [claims 32-39] claim 32, wherein the radiation collector has a generally circular cross-section.